

11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

27 April 2011

Jim Fleer Oxford Environmental & Safety, Inc 14348 Nieman Rd. Overland Park, KS 66221

RE: Arkwood Monthly Sampling

SDG Number: 1104241

Enclosed are the results of analyses for samples received by the laboratory on 20-Apr-11 10:05. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	~
Containers Correct	
COC/Labels Agree	
Preservation Confirmed	
Received On Ice	~
Temperature on Receipt	4.0°C

Sincerely,

Norma James President

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Project: Arkwood Monthly Sampling

Date Received: 20-Apr-11 10:05



SAMPLE DELIVERY GROUP: 1104241

SEMIVOLATILES:

The six compounds labeled (surr) on the attached final report are "surrogates." Recovery of surrogates is for lab use only to determine the effectiveness of the extraction procedure; surrogate recoveries are not analytical results. The six surrogate compounds are: 2,4,6-tribromophenol, 2-fluorophenol, Nitrobenzene-d5, Phenol-d5, and Terphenyl-d14.



Jim Fleer
Oxford Environmental & Safety, Inc
14348 Nieman Rd.
Overland Park, KS 66221

Project: Arkwood Monthly Sampling

Date Received: 20-Apr-11 10:05



Lab Number: 1104241-01
Sample Name: Mouth
Date/Time Collected: 4/19/11 12:15
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	12.5		4/26/11 19:58	A104263	8270D
2,4,6-Tribromophenol [surr]	%	98.0		4/26/11 19:58	A104263	8270D
2-Fluorophenol [surr]	%	47.2		4/26/11 19:58	A104263	8270D
Phenol-d5 [surr]	%	26.4		4/26/11 19:58	A104263	8270D

ANALYTICAL RESULTS

Lab Number: 1104241-02
Sample Name: Weir
Date/Time Collected: 4/19/11 12:25
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	Result	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	< 5.00		4/26/11 20:43	A104263	8270D
2,4,6-Tribromophenol [surr]	%	103		4/26/11 20:43	A104263	8270D
2-Fluorophenol [surr]	%	43.5		4/26/11 20:43	A104263	8270D
Phenol-d5 [surr]	%	24.7		4/26/11 20:43	A104263	8270D

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QUALITY CONTROL RESULTS

Semivolatiles - Quality Control Analyzed: 26-Apr-11 18:25 By: TB

		Reporting		Spike	Source		%REC	_	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch A104263 - 3550B: Modified										
Blank (A104263-BLK1)				Prepared:	21-Apr-11	Analyzed: 2	26-Apr-11			
Pentachlorophenol	ND	200	ug/L							
Surrogate: 2,4,6-Tribromophenol	34.0		"	40.0		85.0	39.2-127			
Surrogate: 2-Fluorophenol	21.6		"	40.0		54.0	10.7-76.6			
Surrogate: Phenol-d5	12.6		"	40.0		31.5	13-62.4			
LCS (A104263-BS1)				Prepared:	21-Apr-11	Analyzed: 2	26-Apr-11			
Pentachlorophenol	35.0	10.0	ug/L	40.0		87.5	65.4-117			
Surrogate: 2,4,6-Tribromophenol	41.8		"	40.0		105	39.2-127			
Surrogate: 2-Fluorophenol	24.3		"	40.0		60.7	10.7-76.6			
Surrogate: Phenol-d5	18.5		"	40.0		46.1	13-62.4			
Matrix Spike (A104263-MS1)	Sour	Source: 1104240-01 Prepared: 21-Apr-11 Analyzed: 26-Apr-11								
Pentachlorophenol	312	100	ug/L	400	ND	77.9	49.6-126			
Surrogate: 2,4,6-Tribromophenol	200		"	400		49.9	39.2-127			
Surrogate: 2-Fluorophenol	177		"	400		44.2	10.7-76.6			
Surrogate: Phenol-d5	156		"	400		39.0	13-62.4			
Matrix Spike Dup (A104263-MSD1)	Source: 1104240-01 Prepared: 21-Apr-11 Analyzed: 26-Ap									
Pentachlorophenol	299	100	ug/L	400	ND	74.8	49.6-126	4.09	30	
Surrogate: 2,4,6-Tribromophenol	283		"	400		70.8	39.2-127			
Surrogate: 2-Fluorophenol	193		"	400		48.4	10.7-76.6			
Surrogate: Phenol-d5	166		"	400		41.4	13-62.4			

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods, 20th Edition. Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by:

Norma James President Arkansas Analytical

Arkansas Analytical

Overland Park, KS 66221 Project: Arkwood Monthly Sampling Oxford Environmental & Safety, Inc 14348 Nieman Rd.

Date Received: 20-Apr-11 10:05 CHAIN OF CUSTODY FORM(S)

11701 Interstate 30, Bldg. 1, Ste. 115 Little Rock, AR 72209 PHONE: 501-455-3233

FAX: 501-455-6118

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION							Project Description Tumaround Time						Preservation Codes:					
Oxford Environmental & Safety, Inc.						A	kwood Monthly Sampling	24 Hour	I. Cool, 4 Degrees Centigrade					4. Thiesedfate for Dechlorination				
14348 Nieman Rd.							48 Hour	2. Solfo	eic Acid (II	Ng 4,08,	<2		5. Hydrsehloric Acid(HCl)					
Overland Park	k KS 66221					1 9	Reporting Information	72 Hour	3. Nitri	Acid (HN), p#1 <	pH < 2		6. Sodium Hydroxide (NaOH), pH > 12)H), pH > 12		
							Telephone: 913-706-3422	Routine (5 Day)		T	EST	PARA	AMET	ERS		Buttle Type Code		
Attn: Jim Fle	er					Em	ait. jfleer@oxfordeands.com	Preservative Code	1		\top	\blacksquare	\blacksquare	\Box	G = Glass, P = 1			
			-					Bottle Type	GA	-	+	-	-	\vdash	-	- Septem, A - Ambo		
Sampler(s) Signature Sampler(s) Pri							eer	Pentachlorophenol (8270D)					Anal		Arkansas nalytical Wor order Number			
Field		OLLECTION	Т		Nambe		SAMPLE		5 G		-				1.1			
Number	Date/s	Time/s			of Bottles	Sample Matrix	IDENTIFICATION/ DESC	CRIPTION	927 827				1	1 1	110424			
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Relinquished	by: (Signature)	Date/Time		2. Re	ceived	by: (Sign	sature) SAMPLE C	CONDITION UPON	RECEIP	TINLAB	4	R	EMARK	CS / SAME	PLE COMME	NTS		
Ja (\mathcal{N}	4/19/201		Ι.	-	10	1. CUSTODY SE	ALS	√ Ye	sNo	MS	MSD C	ollected	from: [/	UOW			
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Relinquished	by: (Signature)	Date/Time		4. Re	ceived	by lab: (Signature) 4. PRESERVATI	ON CONFIRMED	-Ye	sNo	W	SHORAGE C	3 111	m)	PH JA	120 4		
Fede	CA.	420-11		3	his	MILL	5. RECEIVED OF	VICE:	Ye		Pl	out the	515	5 (10)	Do 67.	3 130.2		
Kel	γ	1005		"	700	ny Jam	6. TEMPERATUR	RE ON RECEIPT:	400	1	- 1	4- Well	t	(4	Temp 14	18 15.2		
		1000			U	dum	dy FOR	COMPLETION BY	LAB ON	LY								
Revision 12/1/10															52-5.	6		